



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Shuji DOI, et al.

Appln. No. 09/995,814

Group Art Unit: 1752

Confirmation No.: 9735

Examiner: Unknown

Filed: November 29, 2001

**RECEIVED**  
MAY 29 2002  
TC 1700

For: POLYMERIC FLUORESCENT SUBSTANCE AND POLYMER LIGHT-EMITTING  
DEVICE USING THE SAME

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) (substitute for PTO Form 1449) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. M. Bernius et al., "Fluorene-based polymers-preparation and applications", Journal of Materials Science: Materials in Electronics 11, (2000), pp. 111-116.
2. Japanese Patent Application Publication No. 2000-292930, published October 20, 2000 with English Abstract.
3. World Patent No. 99/20675, published April 29, 1999 with Abstract.

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4. M. Onoda et al., "Organic Electroluminescence Devices Using Poly(arylene vinylene) Conducting Polymers", Jpn. J. Appl. Phys. Vol. 32, Part 1, No. 9A, (September 1993), pp. 3895-3899.
5. J. Segura et al., "Oligo-2,6-naphthylenevinylenes - New Building Blocks for the Preparation of Photoluminescent Polymeric Materials", Eur. J. Org. Chem., (1999), pp. 643-651.
6. T. Yamamoto, "Electrochemical Reduction Potential of n-Type  $\pi$ -Conjugated Polymers", Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 34, (1996), pp. 997-1001.
7. M.W. Wagaman et al., "Photoluminescence properties of polynaphthalenevinylene (PNV) homopolymers and block copolymers by ring-opening metathesis polymerization (ROMP) and study of their photoluminescence properties", Phil. Trans. R. Soc. Lond. A. 355, (1997), pp. 727-734.
8. S. Tasch et al., "Red-Orange Electroluminescence with New Soluble and Air-Stable Poly(naphthalene-vinylene)s", Advanced Materials, Vol. 7, No. 11, (1995), pp. 903-906.
9. I. Benjamin et al., "Newly Synthesized Conjugated Copolymers for Light Emitting Diodes", Synthetic Metals, 84, (1997), pp. 401-402 with Abstract.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the

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INFORMATION DISCLOSURE STATEMENT

merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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